#### CETIFICATION

SDG No:

JC18516R

Laboratory:

Accutest, New Jersey

Site:

BMS, Building 5 Area, PR

Matrix:

Soil

Humacao, PR

**SUMMARY:** 

Soil samples (Table 1) were collected on the BMSMC facility – Building 5 Area. The BMSMC facility is located in Humacao, PR. Samples were taken April 14, 2016 and were analyzed in Accutest Laboratory of Dayton, New Jersey for low molecular weight alcohols (LMWA):- isopropyl alcohol and sec-butyl alcohol. The results were reported under SDG No.: JC18516R. Results were validated using "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846 (Final Update III, December 1996)," specifically for Methods 8000/8015C are utilized and the latest validation guidelines (July, 2015) of the EPA Hazardous Waste Support Section. The analyses performed are shown in Table 1. Individual data review worksheets are enclosed for each target analyte group. The data sample organic data samples summary form shows for analytes results that were qualified.

In summary the results are valid and can be used for decision taking purposes.

Table 1. Samples analyzed and analysis performed

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	ANALYSIS PERFORMED
JC18516-2AR	RA14 (9-9.7)	Soil	LMWA:- ISOPROPYL ALCOHOL AND SEC- BUTYL ALCOHOL
JC18516-3AR	S-43S (6-7)	Soil	LMWA:- ISOPROPYL ALCOHOL AND SEC- BUTYL ALCOHOL

Reviewer Name:

Rafael Infante

Chemist License 1888

Signature:

Date:

June 7, 2016

#### **SGS** Accutest

## Report of Analysis

Page 1 of 1

Client Sample ID:	RA14 (9-9.7)
Lab Sample ID:	JC18516-2AR
Matrix:	SO - Soil

SO - Soil

Date Received:

Date Sampled: 04/14/16 04/16/16

Method:

SW846-8015C (DAI)

Percent Solids: 76.5

Project: BMSMC, Building 5 Area, PR

Run #1 a	File ID	DF	<b>Analyzed</b>	By	Prop Date	Prep Batch	Analytical Batch
	GH105129.D	1	05/20/16	XPL	n/a	n/a	GGH5293
Run #2							

Run #1 Run #2	Initial Weight 5.0 g					_	<	
CAS No.	Compound	Remit	RI.	MDL	Units	0		

67-63-0 78-92-2	Isopropyl Alcohol sec-Butyl Alcohol	ND ND	130 130		ıg/kg ıg/kg
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
111-27-3	Hexanol	112%		52-141	%
111-27-3	Hexanol	112%		52-141	%

(a) Sample analyzed outside the holding time per client's request.



ND	==	Not	detected	

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

#### **SGS** Accutest

### Report of Analysis

Ву

XPL

n/a

Page 1 of 1

Client Sample ID: S-43S (6-7) Lab Sample ID: JC18516-3AR Matrix:

File ID

GH105130.D

SO - Soil

SW846-8015C (DAI)

DF

1

Date Sampled: 04/14/16 Date Received: 04/16/16

n/a

Percent Solids: 77.6

**GGH5293** 

Method: Project:

BMSMC, Building 5 Area, PR

**Analytical Batch** Prep Date Prep Batch

Run #1 a Run #2

**Initial Weight** Run #1 5.0 g

Run #2

CAS No. Compound Result RLMDL Units 0

Analyzed

05/20/16

67-63-0 Isopropyl Alcohol ND 130 74 ug/kg 78-92-2 sec-Butyl Alcohol ND 130 69 ug/kg

CAS No. Surrogate Recoveries Run#1 Run# 2 Limits

52-141% 111-27-3 Hexanol 101% 111-27-3 Hexanol 102% 52-141%

(a) Sample analyzed outside the holding time per client's request.



ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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Anderson Mulholland Assoc. Inc. 2700 Westchester	В	M5 Rel	lease	A	505	SMI					6176	2700	8	908 R	halche	Ì		NE ST		200	A COL		Matrix Codes  OW - Divising Wass OW - Crossed Wass OW - Divising Wass SW - Botton Wass BO - Bot
Purchase NY Torry Taylor	HUM.		PR	Steam	Address			_				Method 8	8	40	1	2							SL-Shalps SED-Shalpsen OI+ On LIQ - Owner Liquest ARY - Air SIOL - Owner Solet
Terry Taylor , Nester Rivera	Project Married		China		4	_	_			-		1.5		Cios	Dioxane +	rethoy.							WP - Wips FB-Fatt Innet EB-Equipment Stant RB-Titne Stant TB-Titp Mane.
Field ID / Point of Collection	MEDHOLVER	1/4/16	1150	NR.	Ao-	27	Q	808	NSD4	100	NCOM	X SVOC	X	X Pesti	D FI			_	_	-			LAB USE ONLY
2 RAIA (9-9.7) 3 5-43 \$ (6-7) 4 RAIA-6WS	¥	4/4/16 4/14/16 4/11/16	1500 1550 1700	TY NR TY	50 50 A0	7.7						×	XX	X X	XX								V1-85 FS1
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JC18516R: Chain of Custody

Page 1 of 3

#### **EXECUTIVE NARRATIVE**

SDG No:

JC18516R

Laboratory:

**Accutest, New Jersey** 

Analysis:

SW846-8015C

**Number of Samples:** 

2

Location:

BMSMC, Building 5 Area

Humacao, PR

**SUMMARY:** 

Two (2) samples were analyzed for selected low molecular weight alcohols (LMWAs):-isopropyl alcohol and sec-butyl alcohols, following method SW846-8015C. The sample results were assessed according to USEPA data validation guidance documents in the following order of precedence: "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846 (Final Update III, December 1996)," specifically for Methods 8000/8015C are utilized. The QC criteria and data validation actions listed on the data review worksheets are from the primary guidance document, unless otherwise noted.

Results are valid and can be used for decision making purposes.

**Critical issues:** 

None

Major:

None

Minor:

None

**Critical findings:** 

None

Major findings:

1. Sample analyzed outside the holding time per client's request. Results are qualified in

affected samples: non-detects results are rejected (R).

Minor findings:

None

COMMENTS:

Results are valid and can be used for decision making purposes.

Reviewers Name:

Rafael Infante

Chemist License 1888

Signature:

Date:

June 7, 2016

### SAMPLE ORGANIC DATA SAMPLE SUMMARY

- pr- \*

Sample ID: JC18516-2AR

Sample location: BMSMC Building 5 Area

Sampling date: 4/14/2016

Matrix: Soil

METHOD: 8015C

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable
Isopropyl Alcohol	130	ug/kg	1.0	-	R	Yes
sec-Butyl Alcohol	130	ug/kg	1.0	-	R	Yes

Sample ID: JC18516-3AR

Sample location: BMSMC Building 5 Area

Sampling date: 4/14/2016

Matrix: Soil

METHOD: 8015C

Analyte Name	Result	Units	<b>Dilution Factor</b>	Lab Flag	Validation	Reportable
Isopropyl Alcohol	130	ug/kg	1.0	•	R	Yes
sec-Butyl Alcohol	130	ug/kg	1.0	-	R	Yes

	Project Number:JC18516R
	Date:04/14/2016
	Shipping Date:04/15/2016
	EPA Region:2
REVIEW OF VOLATILE OF The following guidelines for evaluating volatile organics were document will assist the reviewer in using professional judiserving the needs of the data users. The sample results guidance documents in the following order of precede Physical/Chemical Methods SW-846 (Final Update III, Decare utilized. The QC criteria and data validation actions lister guidance document, unless otherwise noted. The hardcopied (laboratory name) _Accutest_ and the quality control and performance data summarized. The Lab. Project/SDG No.:JC18516R	PRGANIC PACKAGE  e created to delineate required validation actions. This gment to make more informed decision and in better were assessed according to USEPA data validation ence: "Test Methods for Evaluating Solid Waste ember 1023R)," specifically for Methods 8000/80150 and on the data review worksheets are from the primary  data package received has been reviewed he modified data review for VOCs included:  Sample matrix:Soil
Trip blank No.: Field blank No.: Equipment blank No.: Field duplicate No.:	
X Data CompletenessX Holding TimesN/A_ GC/MS TuningN/A_ Internal Standard PerformanceX BlanksX Surrogate RecoveriesX Matrix Spike/Matrix Spike Duplicate	X Laboratory Control SpikesX Field DuplicatesX CalibrationsX Compound IdentificationsX Compound QuantitationX Quantitation Limits
Overall Comments:_Selected_low_molecular_weight_a	lcohols_by_SW-846_8015C
Definition of Qualifiers:  J- Estimated results  U- Compound not detected  R- Rejected data  UJ- Estimated nondetect  Reviewer: Of au Maut  Date:June_7,_2016	

# DATA REVIEW WORKSHEETS

# DATA COMPLETENESS

MISSING INFORMATION	DATE LAB. CONTACTED	DATE RECEIVED
**************************************		
- 1		
		<del></del>
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	-	
		_
		= 40 %
		<del>-</del>
	- 100 VIII BANK - 15 - 15	

All criteria were met
Criteria were not met
and/or see belowX

#### **HOLDING TIMES**

The objective of this parameter is to ascertain the validity of the results based on the holding time of the sample from time of collection to the time of analysis.

Complete table for all samples and note the analysis and/or preservation not within criteria

SAMPLE ID	DATE SAMPLED	DATE ANALYZED	pН	ACTION
Samples analyzed	d outside the holdi	ng time per client request.	All samp	les properly preserved.
JC18516-2AR	04/14/16	05/20/16	-	Sample results qualified:
JC18516-3AR	04/14/16	05/20/16		positive results and non-
				detects are rejected (R).
		[		

### Criteria

Aqueous samples – 14 days from sample collection for preserved samples (pH  $\leq$  2, 4°C), no air bubbles.

Aqueous samples - 7 days from sample collection for unpreserved samples, 4°C, no air bubbles.

Soil samples- 7 days from sample collection.

Cooler temperature (Criteria: 4 ± 2 °C): 2.7°C

### <u>Actions</u>

If the VOCs vial(s) have air bubbles, estimate positive results (J) and reject nondetects (R).

If the % solids of soil samples is 10-50%, estimates positive results (J) and nondetects (UJ)

If the % solid of soil samples is < 10%, estimate positive results (J) and reject nondetects (R).

If holding times are exceeded but < 14 days beyond criteria, estimate positive results (J) and nondetects (UJ).

If holding times are exceeded but < 28 days beyond criteria, estimate positive results (J) and reject nondetects (R).

If holding times are grossly exceeded (> 28 days beyond criteria), reject all results (R).

If samples were not iced or if the ice were melted (> 10°C), estimate positive results (J) and nondetects (UJ).

### **DATA REVIEW WORKSHEETS**

All criteria were metNVA
Criteria were not met see below

# GC/MS TUNING

OCANIC TOMING
The assessment of the tuning results is to determine if the sample instrumentation is within the standard tuning QC limits
N/A_ The BFB performance results were reviewed and found to be within the specified criteria.
N/A_ BFB tuning was performed for every 12 hours of sample analysis.
f no, use professional judgment to determine whether the associated data should be accepted, qualified or rejected.
ist the samples affected:
f mass calibration is in error, all associated data are rejected

All criteria were metX
Criteria were not met
and/or see below

### CALIBRATION VERIFICATION

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing and maintaining acceptable quantitative data.

		al calibration:			
	Dates of init	ial calibration verification	on:05/17/16	·····	
		ntinuing calibration veri			
	Dates of fina	al calibration verification	n:05	/20/16	
	Instrument I	D number:	GCGH		
	Matrix/Level		Aqueous/lo	)WW	
_					
DATE	LAB FILE ID#	CRITERIA OUT	COMPOUND	SAMPLES	7
		RFs, %RSD, %D, r		AFFECTED	
					7
					7

**Note:** Initial, continuing, and final calibration verifications meets method specific requirements in the two columns.

### Criteria

All RFs must be > 0.05 regardless of method requirements for SPCC.

All %RSD must be  $\leq$  15 % regardless of method requirements for CCC.

All %Ds must be ≤ 20% regardless of method requirements for CCC.

It should be noted that Region 2 SOP HW-24 does not specify criterion for the curve correlation coefficient (r). A limit for r of  $\geq$  0.995 has therefore been utilized as professional judgment.

#### **Actions**

If any compound has an initial RF or a continuing RF of < 0.05, estimate positive results (J) and reject nondetects (R), regardless of method requirements.

If any compound has a %RSD > 15%, estimate positive results (J) and use professional judgment to qualify nondetects.

If any compound has a %RSD > 90%, estimate positive results (J) and reject nondetects (R).

If any compound has a % D > 20%, estimate positive results (J) and reject nondetects (R).

If any compound has a % D > 20%, estimate positive results (J) and nondetects (UJ).

If any compound has a % D > 90%, estimate positive results (J) and reject nondetects (R).

If any compound has r < 0.995, estimate positive results and nondetects.

A separate worksheet should be filled for each initial curve

All criteria were metX
Criteria were not met
and/or see below

### V A. BLANK ANALYSIS RESULTS (Sections 1 & 2)

The assessment of the blank analysis results is to determine the existence and magnitude of contamination problems. The criteria for evaluation of blanks apply only to blanks associated with the samples, including trip, equipment, and laboratory blanks. If problems with any blanks exist, all data associated with the case must be carefully evaluated to determine whether or not there is an inherent variability in the data for the case, or if the problem is an isolated occurrence not affecting other data.

List the contamination in the blanks below. High and low levels blanks must be treated separately.

Laboratory blanks

DATE ANALYZED	LAB ID	LEVEL/ MATRIX	COMPOUND	CONCENTRATION UNITS
			- 0	
Field/Equipmen	t/Trip blank			3
DATE ANALYZED	LABID	LEVEL/ MATRIX	COMPOUND	CONCENTRATION UNITS
_No_field/trip/ed	quipment_blank	s_included_in_	this_data_package	
			2	

All criteria were met _X
Criteria were not met
and/or see below

## VB. BLANK ANALYSIS RESULTS (Section 3)

Blank Actions

Action Levels (ALs) should be based upon the highest concentration of contaminant determined in any blank. Do not qualify any blank with another blank. The ALs for samples which have been diluted should be corrected for the sample dilution factor and/or % moisture, where applicable. No positive sample results should be reported unless the concentration of the compound in the samples exceeds the ALs:

ALs = 10x the amount of common contaminants (methylene chloride, acetone, 2-butanone, and toluene)
ALs = 5x for any other compounds

Specific actions are as follows:

If the concentration is < sample quantitation limit (SQL) and  $\le$  AL, report the compound as not detected (U) at the SQL.

If the concentration is  $\geq$  SQL but  $\leq$  AL, report the compound as not detected (U) at the reported concentration.

If the concentration is  $\geq$  SQL and > AL, report the concentration unqualified.

#### Notes:

High and low level blanks must be treated separately

Compounds qualified "U" for blank contamination are still considered "hits" when qualifying for calibration criteria.

CONTAMINATION SOURCE/LEVEL	COMPOUND	CONC/UNITS	AL/UNITS	SQL	AFFECTED SAMPLES
		_			
				The same	
		The state of the s			
	-1922		_		
		-			
Carlot Carlot		<del></del>			<u> </u>

All criteria were metX
Criteria were not met
and/or see below

### SURROGATE SPIKE RECOVERIES

Laboratory performance of individual samples is established by evaluation of surrogate spike recoveries. All samples are spiked with surrogate compounds prior to sample analysis. The accuracy of the analysis is measured by the surrogate percent recovery. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the validation of data is frequently subjective and demands analytical experience and professional judgment. List the percent recoveries (%Rs) which do not meet the criteria for surrogate recovery. Matrix: solid/aqueous

SAMPLE ID		ACTION			
Hex	anol	<b>DBFM</b>	TOL-d8	BFB	
_All_surrogate_recoveri	es_within_la	aboratory_contro	l_limits		
QC Limits* (Aqueous)					
LL_to_UL	_73_to_123	to	to	to_	
QC Limits* (Solid-Low)					
LL_to_UL		to	to	to	)
QC Limits* (Solid-Med)					
LL_to_UL ´	to	to	to	to_	<del></del>
1,2-DCA = 1,2-Dichloror DBFM = Dibromofluoron			TOL-d8 = BFB = Bro		
					it, UL = upper limit. d 70 – 130 % for solid
samples.			·		
Actions:					
QUALITY		%R < 10%	%R = 10%	- LL	%R > UL

Surrogate action should be applied:

Positive results

Nondetects results

If one or more surrogate in the VOC fraction is out of specification, but has a recovery of > 10%. If any one surrogate in a fraction shows < 10 % recovery.

UJ

Accept

R

All criteria were mel _X	
Criteria were not met	
and/or see below	

### VII. A MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

This data is generated to determine long term precision and accuracy in the analytical method for various matrices. This data alone cannot be used to evaluate the precision and accuracy of individual samples. If any % R in the MS or MSD falls outside the designated range, the reviewer should determine if there are matrix effects, i.e. LCS data are within the QC limits but MS/MSD data are outside QC limit.

1. MS/MSD Recoveries and Precision Criteria

The laboratory should use one MS and a duplicate analysis of an unspiked field sample if target analytes are expected in the sample. If target analytes are not expected, MS/MSD should be analyzed.

List the %Rs, RPD of the compounds which do not meet the criteria.

Sample ID:JC20528-1AMS/-MSD				Matrix/	Level:	_Soil	
MS OR MSD	COMPOUND	% R	RPD	QC LIMITS	ACTION		
_MS/MSD_%_recoveries_and_RPD_within_laboratory_control_limits							
			- 9				

\* If QC limits are not available, use limits of 70 – 130 %.

### Actions:

QUALITY	%R < LL	%R > UL
Positive results	J	J
Nondetects results	R	Accept

MS/MSD criteria apply only to the unspiked sample, its dilutions, and the associated MS/MSD samples:

If the % R for the affected compounds were < LL (or 70 %), qualify positive results (J) and nondetects (UJ).

If the % R for the affected compounds were > UL (or 130 %), only qualify positive results (J). If 25 % or more of all MS/MSD %R were < LL (or 70 %) or if two or more MS/MSD %Rs were < 10%, qualify all positive results (J) and reject nondetects (R).

<sup>\*</sup> QC limits are laboratory in-house performance criteria, LL = lower limit, UL = upper limit.

All criteria were met _	_X_	
Criteria were not met		
and/or see below		

### VII. B MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD - Unspiked Compounds

It should be noted that Region 2 SOP HW-24 does not specify a MS/MSD criteria for the unspiked compounds in the sample. A %RSD of < 50% has therefore been utilized as professional judgment.

If all target analytes were spiked in the MS/MSD, this review element is not applicable.

List the %RSD of the compounds which do not meet the criteria.

Sample ID:			Matrix/Le			
COMPOUND	SAMPLE CONC.	MS CONC.	MSD CONC.	% RSD	ACTION	
						200
			The state of the s			
						15
The state of the s					<u> </u>	

# Actions:

A separate worksheet should be used for each MS/MSD pair.

<sup>\*</sup> If the % RSD > 50, qualify the positive result in the unspiked samples as estimated (J).

<sup>\*</sup> If the % RSD is not calculated (NC) due to nondetected value, use professional judgment to qualify the data.

All criteria were met _X	
Criteria were not met	
and/or see below	

OC LIMIT

## VIII. LABORATORY CONTROL SAMPLE (LCS) ANALYSIS

This data is generated to determine accuracy of the analytical method for various matrices.

1. LCS Recoveries Criteria

LCS ID

Where LCS spiked with the same analyte at the same concentrations as the MS/MSD? Yes or No. If no make note in data review memo.

List the %R of compounds which do not meet the criteria

0/ D

	E00 ID	COM COMD	/0 IX	QC LIMIT
Recoveries	_within_laborator	ry_control_limits		

- \* QC limits are laboratory in-house performance criteria, LL = lower limit, UL = upper limit.
- \* If QC limits are not available, use limits of 70 130 %.

COMPOUND

#### Actions:

QUALITY	%R < LL	%R > UL
Positive results	J	J
Nondetects results	R	Accept

All analytes in the associated sample results are qualified for the following criteria.

If 25 % of the LCS recoveries were < LL (or 70 %), qualify all positive results (j) and reject nondetects (R).

If two or more LCS were below 10 %, qualify all positive results as (J) and reject nondetects (R).

2. Frequency Criteria:

Where LCS analyzed at the required frequency and for each matrix? Yes or No. If no, the data may be affected. Use professional judgment to determine the severity of the effect and qualify data accordingly. Discuss any actions below and list the samples affected.

		All criteria were metN/A Criteria were not met and/or see below
IX.	FIELD/LABORATORY DUPLICATE PRECISION	
	Sample IDs:	Matrix:

Field/laboratory duplicates samples may be taken and analyzed as an indication of overall precision. These analyses measure both field and lab precision; therefore, the results may have more variability than laboratory duplicates which only laboratory performance. It is also expected that soil duplicate results will have a greater variance than water matrices due to difficulties associated with collecting identical field duplicate samples.

The project QAPP should be reviewed for project-specific information.

Suggested criteria: RPD ± 30% for aqueous samples, RPD ± 50 % for solid samples. If both samples and duplicate are <5 SQL, the RPD criteria is doubled.

COMPOUND	SQL	SAMPLE CONC.	DUPLICATE CONC.	RPD	ACTION		
No field/laboratory duplicate analyzed with this data package. MS/MSD recoveries RPD used to assess precision. RPD within laboratory and generally acceptable control limits.							

#### Actions:

Qualify as estimated positive results (J) and nondetects (UJ) for the compound that exceeded the above criteria. For organics, only the sample and duplicate will be qualified.

If an RPD cannot be calculated because one or both of the sample results is not detected, the following actions apply:

If one sample result is not detected and the other is greater than 5x the SQL qualify (J/UJ).

If one sample value is not detected and the other is greater than 5x the SQL and the SQLs for the sample and duplicate are significantly different, use professional judgment to determine if qualification is appropriate.

If one sample value is not detected and the other is less than 5x, use professional judgment to determine if qualification is appropriate.

If both sample and duplicate results are not detected, no action is needed.

All criteria were met/	WA
Criteria were not met	
and/or see below	

### X. INTERNAL STANDARD PERFORMANCE

The assessment of the internal standard (IS) parameter is used to assist the data reviewer in determining the condition of the analytical instrumentation.

List the internal standard area of samples which do not meet the criteria.

- \* Area of +100% or -50% of the IS area in the associated calibration standard.
- \* Retention time (RT) within 30 seconds of the IS area in the associated calibration standard.

DATE	SAMPLE ID	is out	IS AREA	ACCEPTABLE RANGE	ACTION
	<u> </u>				
			TO STATE OF THE PARTY OF THE PA		
···					
THE REAL PROPERTY.					
					<u> </u>

Actions:

1. IS actions should be applied to the compound quantitated with the out-of-control ISs

QUALITY	IS AREA < -25%	IS AREA = -25 % TO – 50%	IS AREA > + 100%
Positive results	J	J	J
Nondetected results	R	UJ	ACCEPT

2. If a IS retention time varies more than 30 seconds, the chromatographic profile for that sample must be examined to determine if any false positive or negative exists. For shifts of a large magnitude, the reviewer may consider partial or total rejection of the data for the sample fraction.

All criteria were met _	X
Criteria were not met	
and/or see below	

### XII. SAMPLE QUANTITATION

The sample quantitation evaluation is to verify laboratory quantitation results. In the space below, please show a minimum of one sample calculation:

JC18516-2AR

Hexanol

RF = 67.60

[] = (379508)/(67.60)

= 5,614 ppm OK

All criteria were met _X_
Criteria were not met
and/or see below

## XII. QUANTITATION LIMITS

# A. Dilution performed

SAMPLE ID	DILUTION FACTOR	REASON FOR DILUTION
	4	
<u> </u>		
	7.7	
No.		

Percent Sol	ius			
List sample:	s which have ≤ 50 %	solids		
2,				
	· · · · · · · · · · · · · · · · · · ·		The second secon	

### Actions:

If the % solids of a soil sample is 10-50%, estimate positive results (J) and nondetects (UJ)

If the % solids of a soil sample is < 10%, estimate positive results (J) and reject nondetects (R)  $\,$